

Title (en)  
DISPLAY PANEL AND DISPLAY DEVICE

Title (de)  
ANZEIGETAFEL UND ANZEIGEVORRICHTUNG

Title (fr)  
ÉCRAN D'AFFICHAGE ET DISPOSITIF D'AFFICHAGE

Publication  
**EP 4322146 A4 20240904 (EN)**

Application  
**EP 22810200 A 20220402**

Priority  
• CN 202121188394 U 20210528  
• CN 2022085019 W 20220402

Abstract (en)  
[origin: EP4322146A1] A display panel (100) and a display device (10). The display panel (100) comprises: a first display region (101) which comprises a plurality of first pixel units, and a second display region (102) which is arranged adjacent to the first display region (101), wherein the second display region (102) comprises a plurality of second pixel units, and the load of the second pixel units is smaller than the load of the first pixel units; a first driver circuit (130), which is connected to the first pixel units separately, and which employs a pulse width modulation dimming mode for use in driving the first pixel units to emit light; and second driver circuits (140), which are connected to the second pixel units separately, and which employ one of the pulse width modulation dimming mode and a DC dimming mode according to the target brightness of the display panel (100) for use in driving the second pixel units to emit light.

IPC 8 full level  
**G09G 3/3208** (2016.01)

CPC (source: EP)  
**G09G 3/2081** (2013.01); **G09G 3/3233** (2013.01); **G09G 3/3266** (2013.01); **G09G 3/2011** (2013.01); **G09G 3/2014** (2013.01); **G09G 2300/0426** (2013.01); **G09G 2300/0842** (2013.01); **G09G 2300/0861** (2013.01); **G09G 2320/0233** (2013.01); **G09G 2320/0633** (2013.01); **G09G 2320/064** (2013.01); **G09G 2320/0686** (2013.01); **G09G 2360/16** (2013.01)

Citation (search report)  
• [XYI] US 2018151132 A1 20180531 - LEE KYOUNGWON [KR], et al  
• [Y] US 2020234655 A1 20200723 - BIAN QING [CN], et al  
• [A] EP 3648093 A1 20200506 - SAMSUNG DISPLAY CO LTD [KR]  
• See also references of WO 2022247467A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 4322146 A1 20240214; EP 4322146 A4 20240904**; CN 215868587 U 20220218; WO 2022247467 A1 20221201

DOCDB simple family (application)  
**EP 22810200 A 20220402**; CN 202121188394 U 20210528; CN 2022085019 W 20220402